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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

of 8

**Complete if Known**

Application Number	10/419,059
Filing Date	04/17/2003
First Named Inventor	Kenneth F. Buechler
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	071949-7001

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	5,480,792		Buechler et al.	Jan. 2, 1996	
	A2	5,525,524		Buechler et al.	June 11, 1996	
	A3	5,571,698		Ladner et al.	Nov. 5, 1996	
	A4	5,631,171		Sandstrom et al.	May 20, 1997	
	A5	5,679,526		Buechler et al.	Oct. 21, 1997	
	A6	5,719,060		Hutchens et al.	Feb. 17, 1998	
	A7	5,824,799		Buechler et al.	Oct. 20, 1998	
	A8	5,851,776		Valkirs	Dec. 22, 1998	
	A9	5,885,527		Buechler	March 23, 1999	
	A10	5,894,063		Hutchens et al.	Apr. 13, 1999	
	A11	5,922,615		Nowakowski et al.	July 13, 1999	
	A12	5,939,272		Buechler et al.	Aug. 17, 1999	
	A13	5,947,124		Buechler et al.	Sept. 7, 1999	
	A14	5,955,377		Maul et al.	Sept. 21, 1999	
	A15	5,985,579		Buechler et al.	Nov. 16, 1999	
	A16	6,019,944		Buechler	Feb. 1, 2000	
	A17	6,020,208		Hutchens et al.	Feb. 1, 2000	
	A18	6,027,942		Hutchens et al.	Feb. 22, 2000	
	A19	6,057,098		Buechler et al.	May 2, 2000	
	A20	6,107,623		Bateman et al.	Aug. 22, 2000	
	A21	6,113,855		Buechler	Sept. 5, 2000	
	A22	6,124,137		Hutchens et al.	Sept. 26, 2000	
	A23	6,143,576		Buechler	Nov. 7, 2000	
	A24	6,204,500		Whitehouse et al.	March 20, 2001	
	A25	6,225,047		Hutchens et al.	May 1, 2001	
LYL	A26	6,268,144		Koster	July 31, 2001	

**FOREIGN PATENT DOCUMENTS**

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LYL	A27	WO	02/083913		Biosite Diagnostics, Inc.	Oct. 24, 2002		
LYL	A28	WO	02/089657		Biosite, Inc.	Nov. 14, 2002		
LYL	A29	WO	03/016910		Biosite, Inc.	Feb. 27, 2003		

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		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	071949-7001
Sheet	2	of	8

## NON PATENT LITERATURE DOCUMENTS

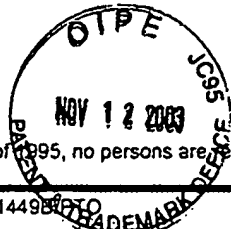
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LYL	A30	Bonow, R.O., "New insights into the cardiac natriuretic peptides." <i>Circulation</i> 93:1946-1950, (1996).	
	A31	Cagney and Emili, "De novo peptide sequencing and quantitative profiling of complex protein mixtures using mass-coded abundance tagging." <i>Nature Biotechnol.</i> 20: 163-170, (2002).	
	A32	Cannon <i>et al.</i> , "Invasive versus conservative strategies in unstable angina and non-Q-wave myocardial infarction following treatment with Tirofiban: Rationale and study design of the international TACTICS-TIMI 18 trial." <i>Am. J. Cardiol.</i> 82: 731-6, (1998)	
	A33	Cheng <i>et al.</i> , "A Rapid bedside test for B-type peptide predicts treatment outcomes in patients admitted for decompensated heart failure: A pilot study." <i>J. Am. Coll. Cardiol.</i> 37: 386-91, (2001).	
	A34	Cho <i>et al.</i> , "Natriuretic peptides and their therapeutic potential." <i>Heart Dis.</i> 1: 305-28, (1999).	
	A35	Cwirla <i>et al.</i> , "Peptides on phage: A vast library of peptides for identifying ligands." <i>Proc. Natl. Acad. Sci. USA</i> 87, 6378-82, (1990).	
	A36	Davidson <i>et al.</i> , "C-Type natriuretic peptide." <i>Circulation</i> 93:1155-9, (1996).	
LYL	A37	Devlin <i>et al.</i> , "Random peptide libraries: A source of specific protein binding molecules." <i>Science</i> 249, 404-6, (1990).	

Examiner Signature		Date Considered	7/19/06
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Sheet 3 of 8

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LYL	A38	Fischer <i>et al.</i> , "Evaluation of a new, rapid bedside test for quantitative determination of B-Type natriuretic peptide." <i>Clin. Chem.</i> 47: 591-594, (2001).	
	A39	Gobinet-Georges <i>et al.</i> "Stability of brain natriuretic peptide (BNP) in human whole blood and plasma." <i>Clin. Chem. Lab. Med.</i> 38: 519-23, (2000).	
	A40	Hamm <i>et al.</i> , "Benefit of abciximab in patients with refractory unstable angina in relation to serum troponin T levels." <i>N. Engl. J. Med.</i> 340: 1623-9, (1999).	
	A41	Hartree, "Determination of protein: A modification of the lowry method that gives a linear photometric response." <i>Anal Biochem</i> 48: 422-427, (1972).	
	A42	Hunt <i>et al.</i> , "The role of the circulation in processing pro-Brain natriuretic peptide (proBNP) to amino-terminal BNP and BNP-32." <i>Biochem. Biophys. Res. Comm.</i> 214: 1175-83, (1995).	
	A43	Hunt <i>et al.</i> , "The amino-terminal portion of pro-Brain natriuretic peptide (Pro-BNP) circulates in human plasma." <i>Peptides</i> 18: 1475-81, (1997).	
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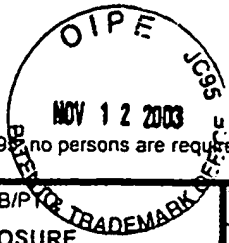
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Substitute for form 1449B/P		Compl te if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	10/419,059
		Filing Date	04/17/2003
		First Name of Inventor	Kenneth F. Buechler
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet 4 of 8	Attorney Docket Number	071949-7001	

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LYL	A45	Issaq et al., "SELDI-TOF MS for diagnostic proteomics." <i>Anal. Chem.</i> 75: 149A-155A, (2003).	
	A46	Issaq et al., "The SELDI-TOF MS approach to proteomics: Protein profiling and biomarker identification." <i>Biochem. Biophys. Res. Commun.</i> 292: 587-92, (2002).	
	A47	Kalra et al., "Myocardial production of C-Type natriuretic peptide in chronic heart failure." <i>Circulation</i> 107: 571-3, (2003).	
	A48	Lowry et al., "Protein measurement with the folin phenol reagent." <i>J. Biol. Chem.</i> 193: 265, (1951).	
	A49	Merchant and Weinberger, "Recent advancements in surface-enhanced laser desorption/ionization-time of flight-mass spectrometry." <i>Electrophoresis</i> 21: 1164-67, (2000).	
LYL	A50	Morrow et al., "Cardiac troponin I for stratification of early outcomes and the efficacy of enoxaparin in unstable angina: A TIMI-11B substudy." <i>J. Am. Coll. Cardiol.</i> 36: 1812-7, (2000).	

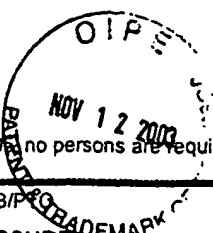
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LYL	A51	Motwani <i>et al.</i> , "Plasma brain natriuretic peptide as an indicator for angiotensin-converting-enzyme inhibition after myocardial infarction." <i>Lancet</i> 341: 1109-13, (1993).	
	A52	Murdoch <i>et al.</i> "Brain natriuretic peptide is stable in whole blood and can be measured using a simple rapid assay: Implications for clinical practice." <i>Heart</i> 78: 594-7, (1997).	
	A53	Ng and Ilag, "Biomedical applications of protein chips." <i>J. Cell Mol. Med.</i> 6: 329-340, (2002).	
	A54	Norman <i>et al.</i> "Degradation of brain natriuretic peptide by neutral endopeptidase: Species specific sites of proteolysis determined by mass spectrometry." <i>Biochem. Biophys. Res. Commun.</i> 28: 175: 22-30, (1991).	
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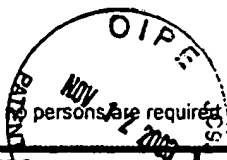
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LYL	A56	Ridker <i>et al.</i> , "Inflammation, pravastatin, and the risk of coronary events after myocardial infarction in patients with average cholesterol levels." <i>Circulation</i> 98: 839-44 (1998).	
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	A58	Shimizu <i>et al.</i> , "Degradation of human brain natriuretic peptide (BNP) by contact activation of blood coagulation system." <i>Clin. Chem. Acta</i> 305: 181-6, (2001).	
	A59	Shimizu <i>et al.</i> , "Molecular forms of human brain natriuretic peptide in plasma." <i>Clin. Chem. Acta</i> 316: 129-35, (2002).	
	A60	Smith <i>et al.</i> , "Delayed metabolism of human brain natriuretic peptide reflects resistance to neutral endopeptidase." <i>J. Endocrinol.</i> 167: 239-46, (2000).	
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LYL	A62	Trindade and Rouleau, "Vasopeptidase inhibitors: potential role in the treatment of heart failure." <i>Heart Fail. Monit.</i> 2: 2-7, (2001).	
	A63	Troughton <i>et al.</i> , "Treatment of heart failure guided by plasma aminoterminal brain natriuretic peptide (N-BNP) concentrations." <i>Lancet</i> 355: 1126-30, (2000).	
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	A65	Venugopal, "Cardiac natriuretic peptides – hope or hype?" <i>J. Clin. Pharm. Ther.</i> 26: 15-31, (2001).	
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Sheet 8 of 8

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
LYL	A67	Wilson, "Simplified conjugation chemistry for coupling peptides to F(ab') fragments; autologous red cell agglutination assay for HIV-1 antibodies." <i>J. Immunol. Methods</i> 175:267-273, (1994).	
	A68	Wright <i>et al.</i> , "Proteinchip® surface enhanced laser desorption/ionization (SELDI) mass spectrometry: a novel protein biochip technology for detection of prostate cancer biomarkers in complex protein mixtures." <i>Prostate Cancer and Prostatic Diseases</i> 2: 264-76, (1999).	
LYL	A69	Yarmush, "Coupling of antibody-binding fragments to solid-phase supports: site-directed binding of F(ab') <sub>2</sub> fragments." <i>J. Biochem. Biophys. Methods</i> 25:85-97, (1992).	

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Date  
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7/19/06

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449B/P		<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b> Application Number: 10/645,874 Filing Date: 08/20/2003 First Named Inventor: Buechler et al. Group Art Unit: 1645 Examiner Name: Attorney Docket Number: 071949-7002	
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	5352587		Chang et al.	10-04-1994	
LYL	A2	5422393		Bricker et al.	06-06-1995	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

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	A3	International Search Report and the Written Opinion of the International Searching Authority from PCT Application No. PCT/US04/12024.	

Examiner Signature		Date Considered	7/19/06
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Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/645,874
Date Submitted: January 20, 2005		Filing Date	08/20/2003
(use as many sheets as necessary)		First Named Inventor	Buechler
		Group Art Unit	1743
		Examiner Name	
Sheet	1 of 1	Attorney Docket Number	071949-7002

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	5786163		Hall	07-28-1998	
LYL	A2	6627457		Pandian et al.	09-30-2003	
LYL	A3	6670138		Gonzalez-Zulueta et al.	12-30-2003	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

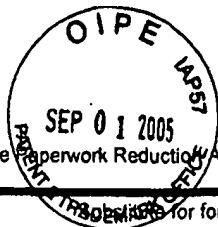
NON PATENT LITERATURE DOCUMENTS			
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LYL	A4	Huttunen et al., "Coregulation of neurite outgrowth and cell survival by amphotericin and S100 proteins through receptor for advanced glycation end products (RAGE) activation. The Journal of Biological Chemistry, 275:40096-40105, 2000.	
LYL	A5	Mussack et al., Early cellular brain damage and systemic inflammatory response after cardiopulmonary resuscitation or isolated severe head trauma: a comparative pilot study on common pathomechanisms. Resuscitation, 49:193-199, 2001.	
LYL	A6	Yakovlev et al., Activation of CPP32-Like caspases contributes to neuronal apoptosis and neurological dysfunction after traumatic brain injury. The Journal of Neuroscience, 17(19): 7415-724, 1997.	
	A7	<del>International Search Report for international application No. PCT/US04/26904</del>	
	A8	<del>Notice of References Cited, PTO-892, Part of Paper No. 20041202 from U.S. Application No. 10/226,082 filed August 20, 2002.</del>	

Examiner Signature		Date Considered	7/19/06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				<b>Application Number</b>	10/645,874
Sheet 1 of 1				<b>Filing Date</b>	08/20/003
				<b>First Named Inventor</b>	Kenneth F. Buechler
				<b>Group Art Unit</b>	1646
				<b>Examiner Name</b>	
				<b>Attorney Docket Number</b>	071949-7002

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	6756483		Bergmann et al.	06-29-2004	
LYL	A2	6828107		Asada et al.	12-07-2004	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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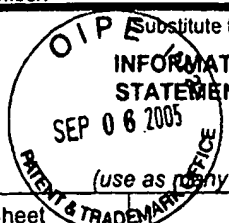
Examiner Signature		Date Considered	7/19/06
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 Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/645,874
		Filing Date	8/20/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1645
		Examiner Name	
Sheet <u>1</u> of <u>1</u>		Attorney Docket Number	071949-7002

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
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LYL	A1	Harter et al., Caspase-3 activity is present in cerebrospinal fluid from patients with traumatic brain injury. Journal of Neuroimmunology, 121:76-78, 2001.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/845,874
		Filing Date	8/20/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1645
		Examiner Name	Unassigned
Sheet 1 of 1	Attorney Docket Number	071949-7002	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	5,206,140		Marder et al.	04-27-1993	
LYL	A2	6,309,888		Holvoet et al.	10-30-2001	
LYL	A3	6,461,828		Stanton et al.	10-08-2002	

## U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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LYL	A4	FONAROW et al., "Combining Natriuretic Peptides and Necrosis Markers in Determining Prognosis in Heart Failure," Reviews in Cardiovascular Medicine, 2003, Suppl. 4, Vol. 4	
LYL	A5	RICHARDS et al., "Neuroendocrine prediction of left ventricular function and heart failure after acute myocardial infarction," Heart, 1999, pp. 114-120, Vol. 81	
LYL	A6	SAADY et al., "Left appendage: structure function, and role in thromboembolism," Heart, 1999, pp. 547-555, Vol. 82	

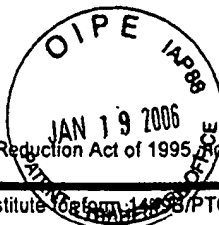
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Substitute for form 1493/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/645,874
		Filing Date	8/20/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1743
		Examiner Name	Unassigned
Sheet 1 of 2	Attorney Docket Number	071949-7002	

U.S. PATENT DOCUMENTS						
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		Number	Kind Code <sup>2</sup> (if known)			

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		Serial Number	Kind Code <sup>2</sup> (if known)			

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
LYL	A1	WO	02/083913		Biosite Diagnostics, Inc.	10-24-2002	

NON PATENT LITERATURE DOCUMENTS				
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LYL	A2	CASSIN et al., <i>E' realizzabile una strategia operativa piu' efficace per la gestione in urgenza del paziente con dolore toracico acuto?</i> , Ital Heart J Suppl, Feb. 2000, pp. 186-201, Vol. 1		
LYL	A3	FUTTERMAN et al., <i>Novel Markers in the Acute Coronary Syndrome: BNP, IL-6, PAPP-A</i> , American Journal of Critical Care, March 2002, pp. 168-172, Vol. 11, No. 2		
LYL	A4	HUNT et al., <i>Immunoreactive amino-terminal pro-brain natriuretic peptide (NT-PROBNP): a new marker of cardiac impairment</i> , Clinical Endocrinology, 1997, pp. 287-296, Vol. 47		

Examiner Signature		Date Considered	7/19/06
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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

**Complete if Known**

<b>Application Number</b>	10/645,874
<b>Filing Date</b>	8/20/2003
<b>First Named Inventor</b>	Kenneth F. Buechler
<b>Group Art Unit</b>	1743
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	071949-7002

Sheet	2	of	2
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### NON PATENT LITERATURE DOCUMENTS

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Signature**

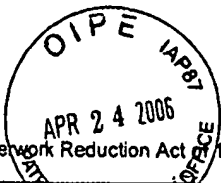
Date  
Considered

7/19/06

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		Filing Date	08/20/2003		
		First Named Inventor	Kenneth F. Buechler		
		Group Art Unit	1743		
		Examiner Name	Unassigned		
Sheet	1	of	1	Attorney Docket Number	071949-7002

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	A1	2003/0022235		Dahlen et al.	01-30-2003	
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U.S. PATENT APPLICATION DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
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